

Abstract of the Disclosure

A method for accelerating storage access in a network. The method comprises receiving a data record having a plurality of data segments. The data segments are stored in a local memory of a network controller (NC). A virtual write buffer (VWB) entry is assigned for the incoming data record in the NC local memory. The data segments of said data record are reassemble using the VWB. The data record is sent from the network controller directly to an I/O controller of a storage device.